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Substitute for form 1449A/PTO (modified) <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (use as many sheets as necessary)				<b>Complete if known</b>	
				Application Number	09/935,998
				Filing Date	August 23, 2001
				First Named Inventor	Malcolm J. Simons
				Group Art Unit	1655 1634
				Examiner Name	Not yet assigned
				Attorney Docket Number	005493.P001
Sheet	1	of	1		

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OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
BTL		AMSELEM, et al., "Determination of the Spectrum of $\beta$ -Thalassemia Genes in Spain by Use of Dot-Blot Analysis of Amplified $\beta$ -Globin DNA," <i>Am. J. Hum. Genet.</i> 43:095-100, 1988.	
BTL		DI MARZO, et al., "The Spectrum of $\beta$ -Thalassaemia Mutations in Sicily," <i>British Journal of Haematology</i> , 69, 393-397, 1988.	

Examiner Signature	<i>B. L. Linn</i>	Date Considered	3/19/04
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<sup>2</sup> Unique citation designation number. <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.



Substitute for Form 1449/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

**Complete if Known**

Application Number	09/935,998
Filing Date	08/23/2001
First Named Inventor:	Malcolm J. Simons
Art Unit	1634
Examiner Name	Sisson, Bradley L.
Attorney Docket Number	5493.P001

Sheet 1 of 2

**NON PATENT LITERATURE DOCUMENTS**

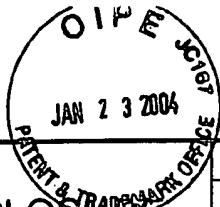
Examiner Initials*	Cite No <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T <sup>2</sup>
B.L.S.		ROGER L. DAWKINS, "CONCLUSIONS AND PROPOSALS FOR FUTURE WORKSHOPS", HUMAN IMMUNOLOGY, VOL. 38, PAGES 83-85, (1993).	
		DEGLI-ESPOSTI, ET AL., "UPDATED CHARACTERIZATION OF THE FOURTH ANCESTRAL HAPLOTYPES USING ASIA-OCEANIA HISTOCOMPATIBILITY WORKSHOP PANEL", HUMAN IMMUNOLOGY VOL. 44, PAGES 12-18 (1995).	
		DEGLI-ESPOSTI, ET AL., "CHARACTERIZATION OF 4AOHW CELL LINE PANEL INCLUDING NEW DATA FOR THE 10IHW PANEL", HUMAN IMMUNOLOGY VOL. 38, PAGES 3-16, (1993).	
		GAVRILIDIS, ET AL., "HLA DRB1 LOCUS SEQUENCE TYPING", GENETYPE, MELBOURNE, VICTORIA.	
		HARANO, ET AL., "HEMOGLOBIN ABNORMALITIES IN A BLACK FAMILY WITH HB S, HEREDITARY PERSISTENCE OF HB F, AND A Y CHAIN VARIANT; A REEVALUATION THROUGH GENE MAPPING", HEMOGLOBIN, VOL.8 (6), PAGES 549-568, (1984).	
		LAWRENCE, ET AL., "NEONATAL LUPUS IN TWINS", SOUTHERN MEDICAL JOURNAL, VOL. 82, No. 5, 1989, PAGES 657-660.	
		LIMM, ET AL., "HLA-DQA1 ALLELE AND SUBALLELE TYPING USING NONCODING SEQUENCE POLYMORPHISMS APPLICATION TO 4AOHW CELL PANEL TYPING", HUMAN IMMUNOLOGY VOL. 38, PAGES 57-68 (1993).	
		LU, ET AL., "LINKAGE OF A NASOPHARYNGEAL CARCINOMA SUSCEPTIBILITY LOCUS TO THE HLA REGIONS", NATURE VOL. 346, PAGES 470-471 (1990).	
		MCGINNIS, ET AL., "ANCIENT HIGHLY POLYMORPHIC HUMAN MAJOR HISTOCOMPATIBILITY COMPLEX DQA1 INTRON SEQUENCES", AMERICAN JOURNAL OF MEDICAL GENETICS VOL. 52, PAGES 438-444, (1994).	
		NAKATSUJI, ET AL., "FETAL HEMOGLOBIN VARIANTS IDENTIFIED IN ADULTS THROUGH RESTRICTION ENDONUCLEASE GENE MAPPING METHODOLOGY", BLOOD, VOL. 66, No. 4, 1985, PAGES 803-807.	
B.L.S.		NAUGHTON, ET AL., "DPB1 LOCUS PCR-RFLP TYPING OF THE FOURTH ASIA-OCEANIA HISTOCOMPATIBILITY WORKSHOP CELL PANEL REVEALS A NOVEL DPB1 ALLELE", EUROPEAN JOURNAL OF IMMUNOGENETICS, VOL. 21, PAGES 351-364, (1994).	

Examiner Signature	B.L.S. Sisson	Date Considered	3-19-04
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Substitute for Form 1449/PTO				Complete If Known	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (use as many sheets as necessary)				Application Number	09/935,998
				Filing Date	08/23/2001
				First Named Inventor:	Malcolm J. Simons
				Art Unit	1634
				Examiner Name	Sisson, Bradley L.
Sheet	2	of	2	Attorney Docket Number	5493.P001
<b>NON PATENT LITERATURE DOCUMENTS</b>					
Examiner Initials*	Cite No <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published			T <sup>2</sup>
B & L		SIMONS, ET AL., "HLA HAPLOTYPING USING NON-CODING POLYMORPHISMS", 4 <sup>TH</sup> CHROMOSOME 6 WORKSHOP, (1999).			
		SIMONS, ET AL., 1996 ANNUAL SCIENCE MEETING, ASEATTA,			
		SIMONS, ET AL., "DONOR REACTIVE ALLOANTIBODIES AUTO-ANTIBODIES REVISITED ASEATTA QUALITY CONTROL TRANSPLANTATION IN THAILAND", VOL. 20, No. 2 (1995).			
		SIMONS, ET AL., "STRATEGY FOR DEFINITION OF DR/DQ HAPLOTYPES IN THE 4AOHW CELL PANEL USING NONCODING SEQUENCE POLYMORPHISMS", HUMAN IMMUNOLOGY, VOL 38, PAGES 69-74 (1993).			
		VARNEY, ET AL., "POLYMORPHISM IN THE REGULATORY REGIONS OF HLA-DPB1",			
B & L		ZENG, ET AL., "HEREDITARY PERSISTENCE OF FETAL HEMOGLOBIN OR ( $\delta\beta$ ) <sup>o</sup> - THALASSEMIA: THREE TYPES OBSERVED IN SOUTH-CHINESE FAMILIES", BLOOD, VOL. 66, No. 6, 1985, PAGES 1430-1435.			

Examiner Signature	<i>B. L. Sisson</i>	Date Considered	3-19-04
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<b>US Department of Commerce Patent and Trademark Office</b>  <b>Form PTO-1449 (Modified)</b>		<b>Atty. Docket No.:</b> 05493.P001		<b>Application No.:</b> Unassigned	
		<b>Applicant:</b> Malcolm J. Simons			
		<b>Filing Date:</b> Concurrently			

1c872 U.S. PTO  
 09/935998  
  
 09/23/01

US Patent Documents							
Examiner's Initials	Date	Document Number	Name	Class	Sub-Class	Filing Date	
BJA	05/10/94	5,310,893	Erlich, et al.				

Foreign Patent Documents							
Examiner's Initials	Date	Document Number	Country	Class	Sub-Class	Translation	

Other Documents (Including Author, Title, Date, Pertinent Pages, etc.)	
BJA	<ul style="list-style-type: none"> <li>Guardiola, John et al., "Molecular genotyping of the HLA-DQa gene region", Immunogenetics, 27:12-18 (1988).</li> </ul>
	Kutsch, K., et al., "Sequencing of HLA class I genes based on the conserved diversity of the noncoding regions: sequencing based typing of the HLA-A gene", Tissue Antigens, 1997:50:178-191.
	Wong, Corinne, et al., "Characterization of $\beta$ -thalassaemia mutations using direct genomic sequencing of amplified single copy DNA", Nature, Vol. 330 26 November 1987.
	Kazazian, Haig H., Jr., et al., "Molecular Basis and Prenatal Diagnosis of $\beta$ -Thalassemia", Blood, Vol. 72, No. 4 (October) 1988, pp. 1107-1116.
	Cereb, Nezih, et al., "Locus-specific conservation of the HLA class I introns by intra-locus homogenization", Immunogenetics, 47:30-36 (1997).
BJA	<ul style="list-style-type: none"> <li>Scharf, Stephen J., et al., "Direct Cloning and Sequence Analysis of Enzymatically Amplified Genomic Sequences", Science, Vol. 233, pp. 1076-1078 (September 5, 1986).</li> </ul>

<b>Examiner</b> <i>B. J. Lison</i>	<b>Date Considered</b> <i>3/18/04</i>
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